

Table 2: Papers and Presentations on IPS

1. "In-Plane Switching of Nematic Liquid Crystals",
Kiefer, S., Weber, B., Windscheid, F., and Baur, G.,
Japan Display '92, (12th IDRC of SID) presentation P 2-30, pp. 547-550 (1992);
2. "Various Possibilities to Improve the Viewing Angle Characteristics of Nematic LCDs",
Baur, G.,
Proceedings of 22. Freiburger Arbeitstagung Flüssigkristalle, presentation No. 1 (1993);
3. "In-Plane Switching: A Novel Electrooptic Effect",
Baur, G.,
Proceedings of 23. Freiburger Arbeitstagung Flüssigkristalle, presentation No. 1, (1994);
4. "In-Plane Switching: Improvement of the Viewing Angle Characteristic by a Novel Electrooptic Effect",
Baur, G., Kamm, M., Klausmann, H., Weber, B., Wieber, B., and Windscheid, F.,
15th International Liquid Crystal Conference. Proceedings, presentation No. K-P15 (1994);
5. "Relationship between Display Quantity and Cell Parameters in the In-Plane Switching Mode of Nematic Liquid Crystals",
Oh-e, M., Ohta, M., Kondo, K. and Oh-hara, S.,
15th International Liquid Crystal Conference, Proceedings, presentation No. K-P17 (1994);
6. "Director Structures and Optical Properties of LC-Cells for In-Plane Switching",
Dickmann, S., Eschler, J., and Mlynski, D.A.,
Proceedings of 24. Freiburger Arbeitstagung Flüssigkristalle, presentation No. 02 (1995);
7. "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode",
Oh-e, M., Ohta, M., Arantani, S., and Kondo, K.,
Asia Display '95, 15th IDRC of SID, pp. 577-580 (1995);

8. "Development of Super-TFT-LCDs with In-Plane Switching Display Mode",
Ohta, M., Oh-e, M., and Kondo, K.,
Asia Display '95, 15th IDRC of SID, pp. 707-710 (1995);
9. "Wide Viewing Angle Displays with In-Plane Switching Mode of Nematic LCs
Addressed by TFTs", (in Japanese)
Kondo, K., Konishi, N., Kinugawa, K., and Kawakawi, K.,
2nd International Display Workshop, Proceedings Vol. 2, pp. 43-?? (1995);
10. "In-Plane Switching A Novel Electro-Optic Effect",
Baur, G., Kiefer, R., Klausmann, H., and Windscheid,
Liquid Crystals Today, Vol. 5, No. 3, pp. 13-14 (1995);
11. "Electro-Optical Characteristics and Switching Behaviour of In-Plane Switching
Mode"
Oh-e, M. and Kondo, K.,
Appl. Phys. Lett., 67, pp. 3895-3897 (1995);
12. "Hitachi Super TFT-LCD Offers 140° Viewing Angle",
Tajima, Z., and Kinugawa, K.,
Nikkei Electronics Asia March, (1996) pp. 73-76;
13. "Hitachi "Super-TFT" LCD Technology",
Parfitt, J.,
EID '95 (14.11.1995);
14. "Structure of the TFT-LCD utilizing the in-plane switching mode and its
characteristics", (in Japanese, English translation available)
Kondo, K., Ohta, M., and Oh-e, M.,
Proceedings of the 43rd Applied Physics Related Joint Conference Symposium,
26 p-K-2 (Toyo University, March 1996);
15. "Switching and Response Principles of the In-Plane Switching Mode",
Oh-e, M., Ohta, M., and Kondo, K.,
Proceedings of 25. Freiburger Arbeitstagung Flüssigkristalle, presentation
No. 03 (1996);
16. "Super-wide viewing angle TFT by the IPS method" (in Japanese, English
translation available),
Kinugawa, K.,
Electronic Display Forum '96 (Pacifico, Yokohama, April 18, 1996) pp. 1-29 -
1-35;

17. "Wide-Viewing-Angle Displays with In-Plane Switching Mode of Nematic LCs Addressed by 13.3 in XGA TFTs",
Kondo, K.,
SID Int. Symp., Digest Vol. XXVII, presentation 8.1, pp. 81-84 (1996);
18. "2-D Simulations of In-Plane Switching Mode LCDs",
Lien, A.,
SID Int. Symp., Digest Vol. XXVII, presentation 13.3, pp. 175-178 (1996);
19. "Development of 13.3-inches Super TFT-LCD Monitor",
Kasai, N., Furuhashi, T., Mano, M., Kurihara, N., Kato, N., and Mori, M.,
SID Int. Symp. Digest, Vol. XXVII, presentation 26.4 L, pp. 414-417 (1996);
20. "Numerical Modelling of IPS Effects: A New Approach and More Results",
Becker, M.E., Wöhler, H., Kamm, M., and Kreis, J.,
SID Int. Symp., Digest Vol. XXVII, presentation LP-G, pp. 596-599 (1996);
21. "Super-TFT-LCD with Wide Viewing Angle", (in Japanese, English translation available)
Konishi, N.,
Semicon Kansai 96 FPD Technical Seminar (Intex Osaka, May 30 to 31, 1996)
pp. 3-23 to 3-27;
22. "Super-TFT-liquid crystal display for the monitor", (in Japanese, English translation available)
Tajima, Z.,
Semicon Kansai 96 FPD Technical Seminar (Intex Osaka, May 30 to 31, 1996)
pp. 4-19 to 4-21;
23. "Physical Behaviour of Nematic Liquid Crystals Using In-Plane Switching Mode",
Oh-e, M., Ohta, M., and Kondo, K.,
16th International Liquid Crystal Conference, Proceedings, presentation No. B1P.60, p. P-60 (1996);
24. "Response Mechanism of Nematic Liquid Crystals Using the In-Plane Switching Mode",
Oh-e, M., and Kondo, K.,
Appl. Phys. Letts., Vol. 69, No. 5, pp. 623-625 (1996);
25. "Elektrooptische Effekte für Moderne Multi-Media-Displays",
Baur, G.,
presentation at TU Berlin (18.6.1996);

26. "Wide Viewing-Angle Displays with In-Plane Switching Mode of Nematic LCs Addressed by TFTs",
Ohta, K., Kondo, K., and Oh-e, M.,
IEICE TRANS. ELECTRON, Vol. E79-C, No. 8, pp. 1069-1075 (1996);
27. "34-cm Super TFT-LCD with Wide Viewing Angle",
Konishi, N., Kondo, K., and Mano, H.,
Hitachi Review, Vol. 45, No. 4, pp. 165-172 (1996);
28. "Realization of a wide viewing angle LCD by the transverse electric field driving", (in Japanese, English translation available)
Kondo, K.,
Ohyo Butsuri (Applied Physics), 10 (1996), submitted;
29. "Electric Field Analysis in TFT-LCDs with In-Plane Switching Mode of Nematic LCs",
Ohta, M., Yoneya, M., and Kondo, K.,
Euro Display '96 (16th IDRC of SID) pp. 49-52 (presentation 5.1 and Conference Digest) (1996);
30. "Display Characteristics of In-Plane-Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5 in IPS TFT-LCD",
Matsumoto, S., Seyama, S., Ukai, Y., Unate, T., Moriya, M., Inada, T., and Saigusa, K.,
Euro Display '96 (16th IDRC of SID) pp 445-448 (presentation LP-A and Conference Digest) (1996);
31. "Complete Suppression of Color Shift in In-Plane Switching Mode LCDs with a Multidomain Structure Obtained by Unidirectional Rubbing",
Aratani, S., Klausmann, H., Ohta, M., Ashizawa, K., and Yanagawa, K.,
Euro Display '96 (16th IDRC of SID) (Late news presentation, not printed in Conference Digest) (1996);
32. "In-plane switching TFT-LCD", (in Japanese, English translation available)
Kondo, K.,
The 3rd Conference for the Young Members in Liquid Crystal, Panel Discussion,
"Recent developmental trends in LCD" (Kyushu University, October 4, 1996);

33. "Principle of the liquid crystal switching in the in-plane switching method", (in Japanese, English translation available)
Oh-e, M. and Kondo, K.,
The Second Liquid Crystal Symposium (Kyushu University, October 5 through 7, 1996) pp. 307-308;
34. "Wide Viewing Angle LCDs Based on In-Plane Switching",
Baur, G.,
Presentation at SID-MID EUROPE MEETING 07.11.'96, Proceedings (1996);
35. "Numerical Modelling of IPS-effect",
Becker, M.,
Presentation at SID-MID EUROPE MEETING 07.11.'96, Proceedings (1996);
36. "Neue Blickwinkel für TFTs" "Titelthema",
Janzen, M., and Kutschke, A.,
Design & Elektronik, 4 (20. Feb' 96) (1996) Sonderdruck, 3 pages;
37. "The TFT-LCD with the in-plane switching mode", (in Japanese, English translation available)
Kondo, K., Oh-e, M., and Ohta, M.,
Display and Imaging, Vol. 5, pp. 11-16 (1996).